

MOU-06-96
**MEMORANDUM OF UNDERSTANDING
BETWEEN DESERET CHEMICAL DEPOT AND
TOOELE COUNTY
FOR INFORMATION EXCHANGE**

1. PURPOSE.

This Memorandum of Understanding (MOU), entered into this 31st day of October, 1996, by and between Deseret Chemical Depot (DCD) and Tooele County, describes a cooperative, coordinated and pro-active information exchange system designed by the parties to achieve an enhanced state of readiness, the earliest possible hazard assessment and timely execution of protective actions, if required, should a chemical event occur at DCD. This system is based upon a continuing exchange of emergency response planning considerations and protective action options between DCD and Tooele County.

2. OBJECTIVES.

The parties agree that the objectives of the information exchange are: to define specific chemical event classifications; to identify and display hazard predictions for chemical operations having the potential of producing chemical agent effects beyond the installation boundary; to provide advance protective action recommendations for the potential event(s); and, to exercise daily activities that will mimic and reinforce emergency activities thereby enhancing the reporting and response ability of the DCD and Tooele County.

3. EVENT CLASSIFICATION DEFINITIONS:

To facilitate coordinated on-post and off-post emergency planning and response proficiency for a chemical event or other type of emergency, the parties agree to use specified chemical event classification definitions; adhere to the information exchange procedures, and follow routine and emergency notification procedures as set forth herein.

DCD agrees that notification shall be made when agent readings are detected outside primary engineering controls, or under other unusual occurrences, even if an event is only suspected.

exposure", unscheduled shutdown of operations at Chemical Agent Munitions Disposal Systems (CAMDS) or Tooele Chemical Disposal Facility (TOCDF), transportation of agent to or from DCD, etc. Suspected but not confirmed agent releases outside of primary engineering controls but within secondary engineering controls may not be reported until agent presence is confirmed.

The following Emergency Classification Definitions are hereby agreed to by the parties and are detailed in the DCD Chemical Accident/Incident Response and Assistance plan and the Tooele County Emergency Operations Plan, CSEPP Appendices:

A. Non-surety Emergency: This level will be declared when events are likely to occur or have occurred that may be perceived as a chemical surety emergency or that may be of general public interest, but which pose no chemical surety hazard.

B. Limited Area Emergency: This level will be declared when events are likely to occur or have occurred that involve agent release outside engineering controls, or approved chemical storage facilities, with the predicted chemical agent no-effects dosage distance not extending beyond the chemical limited area where the chemical event occurred.

C. Post Only Emergency: This level will be declared when events are likely to occur or have occurred that involve agent release with the predicted chemical agent no-effects dosage distance extending beyond the chemical limited area, but not extending beyond the post-installation boundary.

D. Community Emergency: This level will be declared when events are likely to occur or have occurred that involve agent release with the predicted chemical agent no-effects dosage distance extending beyond the post-installation boundary.

4. COORDINATED DAILY INFORMATION EXCHANGE:

DCD agrees to provide Tooele County with a work plan prior to beginning daily chemical operations. The work plan will include an outline of the chemical tasks to be conducted, the estimated times that the operations will be in progress, agent and munition types, and meteorological data for each operation. The work plan will also specify those Activities at which no operations are scheduled. Hazard plots for every operation are calculated and the maximum credible event (MCE)

plot provided with Initial Protective Action Recommendations (PARs) to Tooele County. DCD will provide updates if the wind shifts 30 degrees or more, or if the stability category changes.

Tooele County agrees to provide DCD with daily information regarding projects or activities that may affect a quick and safe evacuation from DCD, e.g. road construction, road paving, bridge work, etc. Tooele County will also review the daily work plans for chemical operations, the hazard plots and the PARs from DCD at least twice daily. After review of the data provided by DCD, and considering off-post weather station readings and other community conditions, Tooele County will provide DCD and Utah Comprehensive Emergency Management with probable protective action information and updates as necessary. Major differences between DCD and Tooele County in protective actions should be reviewed.

5. NOTIFICATION PROCEDURES.

DCD agrees to use the dedicated chemical notification "Hotline" phone for occurrences of chemical agent detection for events falling into the defined chemical event classifications and for routine leakers. The information provided by DCD to Tooele County and Utah County shall follow the chemical Notification Form (see attachment A) with a facsimile copy provided by DCD as verification of data transmitted verbally. DCD will provide Tooele County and Utah County updated event information. For Limited Area, Post Only, and Community Emergency level events DCD should provide an EMIS "EVENT" Notification, as well as, updated hazard plots and revised protective action recommendations. Tooele County will provide notification to Utah Comprehensive Emergency Management according to established procedures.

DCD agrees that notification shall be made at the earliest possible opportunity, even if an event is only suspected (e.g. leakers, readings when an event location is outside engineering controls, any personnel are reported "down" or "exhibiting symptoms of agent exposure", and other unusual occurrences). Suspected but not confirmed agent releases outside of primary engineering controls but within secondary engineering controls will not be reported until agent presence is confirmed.

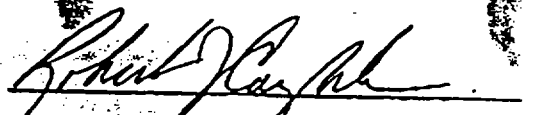
Tooele County agrees to provide updated information to DCD relative to any activities that could affect safe evacuation on the installation and surrounding off-post communities, such as train derailments, major traffic accidents, hazardous materials spills, road closures, road repairs, bridge work, etc. should they occur and/or change during the event. Tooele County also agrees

to provide DCD the actual Protective Action Decisions (PADs) made by Tooele County officials, including evacuation routes, and designated reception centers.

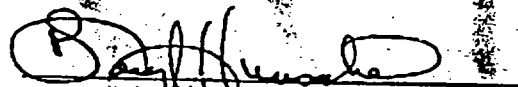
6. TERMS.

This agreement shall take effect upon signature and shall continue until amended or terminated, in writing, with thirty days notice.

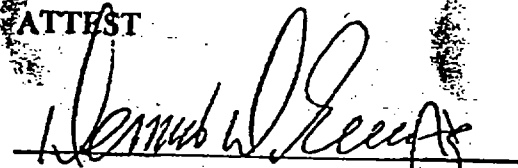
DESERET CHEMICAL DEPOT

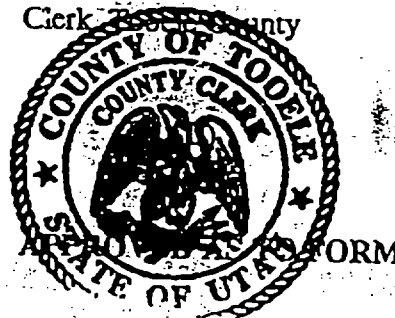

Colonel Robert J. Coughlin, Commander

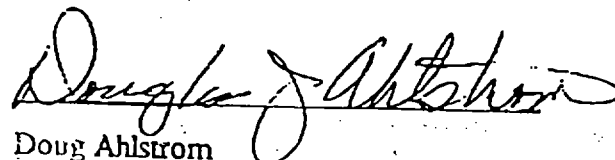
TOOELE COUNTY


Teryl Hunsaker, Commission Chairman

ATTEST


Dennis D. Ewing
Clerk, Tooele County




Doug Ahlstrom
Attorney, Tooele County

STATE OF UTAH

CHEMICAL STOCKPILE EMERGENCY PREPAREDNESS PROGRAM (CSEPP)

APPENDICES TO STATE EMERGENCY OPERATIONS PLAN

SECTION 2.0 COMMAND AND CONTROL

TABLE OF CONTENTS

- I. PURPOSE
- II. REFERENCES
- III. CONCEPT OF OPERATIONS
- IV. RESPONSIBILITIES
- V. ORGANIZATIONAL STAFFING

I. PURPOSE

The purpose of this section is to provide for the direction and control for the State of Utah response to a chemical event at Deseret Chemical Depot (DCD).

II. REFERENCES

- A. Planning Guidance for the Chemical Stockpile Emergency Preparedness Program.
- B. State of Utah, Natural Disaster Response Procedures Manual.
- C. State of Utah, Emergency Operations Plan.
- D. Deseret Chemical Depot Disaster Control Plan (DCD-CP), Annex C, Chemical Accident/Incident Response and Assistance Plan (TEAD-CAIRAP).
- E. Tooele County Emergency Operations Plan, CSEPP Appendices.

III. CONCEPT OF OPERATIONS

- A. **Chemical Event Assessment** - involves determining the type and nature of an incident or accident and its potential or actual impact. Assessment is both initial and extended and involves many people. Authority and responsibility for both initial and long-term assessment will be in accordance with appropriate federal, State and local laws.

Installation personnel involved with the operation of Deseret Chemical Depot will conduct the initial emergency assessment which involves activities such as analysis and monitoring; agent identification and classification; dispersion modeling and dose projection; and conversion of assessment information to emergency response considerations.

Army officials from Deseret Chemical Depot in conjunction with Tooele County, have identified the type and detail of information that DCD will communicate to the off-post authorities to assist the latter in deciding protective actions. This would include emergency level; time of event; brief description of event; projected areas of impact; meteorological data; and a recommendation for the implementation of protective actions.

Federal, state, local and other officials may all be involved in extended or long-term assessment if an agent release affects off-post areas. This assessment will be concerned with evaluating the impact of the chemical event on the population and monitoring conditions to protect them. Ongoing assessment will be concerned with long-term environmental health effects, air quality, wildlife, soil contamination, etc.

One non-surety emergency level and three chemical surety levels will be used for notification purposes and will constitute the chemical event emergency notification system and determine the level of operations required. Section 5.0 of this plan outlines the alert and notification of personnel.

In accordance with the CSEPP Planning Guidance, 8.4.1, Chemical Event Emergency Notification Planning Checklist, Section 4-1:

“Within 5 minutes from initial detection of an actual or likely chemical agent release at APG, ANAD, BGAD, NAAP, and PBA, and within 10 minutes from initial detection of an actual or likely release at PUDA, DCD, and UMDA, the Army installation will notify the designated off-post point(s) of contact of the actual or likely occurrence, its chemical event emergency notification level, and recommended protective actions.

1. **Non-Surety Emergency:**

An event at DCD which may be perceived as a chemical surety emergency or may be of general interest to the public but pose no chemical surety hazard to on-post personnel or the off-post public. This includes non-surety material emergencies.

DCD notifies the IRZ Tooele County but no action is required.

2. **Limited Area Emergency:**

An event which may occur involving agent release outside engineering controls or approved chemical storage facilities with chemical effects and is expected to be confined to the chemical limited area. The limited area emergency will be declared when the dosage does not extend beyond the chemical limited area at DCD.

DCD provides emergency notification to the IRZ-Tooele County; PAZ-Utah County. Tooele County and IRZ emergency response officials may go to a level of increased readiness in the event that an off-post response is required.

3. **Post Only Emergency:**

An event that involves agent release with chemical effects beyond the chemical, limited area. Releases are not expected to present a danger to the off-post public. This level will be declared when the predicted chemical agent dosage extends beyond the chemical limited area but does not extend beyond the installation

DCD provides emergency notification to the IRZ Tooele and PAZ Utah counties. CEM receives notification from Tooele County and when necessary notifies Salt Lake County and appropriate State agencies.

IRZ response organizations in Tooele County mobilize and are prepared for immediate action. Precautionary protective actions may be initiated in potentially affected areas near the installation boundary. Tooele County Emergency Operations Center (EOC) is partially activated, as appropriate and State Emergency Command Center (ECC) may be partially activated.

4. **Community Emergency:**

Is an event that involves agent release with chemical effects beyond the installation boundary. This level will be declared when the predicted chemical agent dosage extends beyond the installation boundary.

DCD provides emergency notification to the IRZ Tooele County and PAZ Utah County. CEM receives a heads up call from DCD and a follow up redundant notification by Tooele County. DCD will recommend protective actions. CEM notifies Salt Lake County and appropriate State agencies.

This will require the full response capabilities of local and State governments. Full activation of the State ECC and local EOC's, full mobilization of all response organizations and protective actions prescribed in the local EOP's are implemented for the IRZ and PAZ.

B. Adaptation of Chemical Event Notification

During the course of the event, when further assessment information becomes available, the emergency notification levels and protective action recommendations will be updated as the potential effect of the chemical emergency is determined. This involves projecting areas of impact, the potential severity of the impact, and the time frame of the impact. Computerized dispersion modeling techniques using the Federal Emergency Management Information System (FEMIS) software that predict the potential no-effects parameters will be a primary source of this information. Provisions have been made for regular and specific updates to off-post authorities when assessment information becomes available from DCD.

C. CEM/State ECC Response

1. CEM coordinates with federal, state and local emergency activities, Emergency Operations Plans and emergency communications capabilities. Policies and procedures in the State of Utah Emergency Operations Plan (EOP) will be followed for a chemical event at DCD, providing prompt and effective response. The Functional Responsibility Assignments for a State response are outlined in Annex C of the State of Utah EOP.
2. See Annex B of the State EOP for a detailed explanation of the declaration process and the procedures for requesting State and Federal assistance.
3. CEM will use the Federal Emergency Management Information System (FEMIS) to assist with managing the data of the event. Specific assignments are listed in the Automation Plan (Section 16) for managing the automation system.

STATE OF UTAH
CHEMICAL STOCKPILE EMERGENCY PREPAREDNESS PROGRAM (CSEPP)

**APPENDICES TO
STATE EMERGENCY OPERATIONS PLAN**

**SECTION 5.0
ALERT/NOTIFICATION**

TABLE OF CONTENTS

I.	PURPOSE
II.	REFERENCES
III.	SITUATION AND ASSUMPTIONS
IV.	CONCEPT OF OPERATIONS
V.	STATE OF UTAH NOTIFICATION
VI.	PUBLIC ALERT AND NOTIFICATION
VII.	RESPONSIBILITIES

I. PURPOSE

The purpose of this section is to describe the systems that provide for rapid notification of a chemical event at DCD to the State of Utah and affected population groups.

II. REFERENCES

- A. Planning Guidance for the Chemical Stockpile Emergency Preparedness Program, Appendix F.
- B. Tooele County Emergency Operations Plan, Draft, CSEPP Appendices.
- C. Tooele Army Depot Disaster Control Plan (TEAD-DCP), Annex C, Chemical Accident/Incident Response and Assistance Plan (TEAD-CAIRAP).

III. SITUATION AND ASSUMPTIONS

A. SITUATION

- 1. In the event of an accident/incident at the Deseret Chemical Depot (DCD) the affected populations will need to be notified in a maximum time frame of 18 minutes. This includes the time that elapses from detection of the hazard through the decision to warn the public (10 minutes); plus the time required to complete an alert and notification call for the affected population (8 minutes).
- 2. All of the Immediate Response Zone (IRZ) populations are included in the time frame above. Certain populations in the Protective Action Zone (PAZ), such as Cedar Fort , Fairfield and Eagle Mountain are also being included because of the close proximity to the depot.

B. ASSUMPTIONS

- 1. DCD will notify Tooele and Utah counties immediately upon knowledge of an event.
- 2. The Tooele County Emergency Operations Plan indicates the Policy Group can make a decision of protective action in a very timely manner once the classification level and PAR is received from DCD.

IV. CONCEPT OF OPERATIONS

- A. Four classification levels have been established by DCD that provide for a progressive level of response. This approach allows for better response preparation as the event increases in magnitude. The four levels are discussed in Section 2.0 Command and Control under Section III Concept of Operations in the CSEPP APPENDICES TO STATE EMERGENCY OPERATIONS PLAN.

V. STATE OF UTAH NOTIFICATION

- A. CEM will receive notification of a chemical accident/incident/event at DCD as follows:

- 1. Under DCD, with the approval of the DCD Commander, Tooele and Utah counties will be notified of a Non-Surety Emergency, a Limited Area Emergency, a Post Only Emergency, or Community Emergency that exists. CEM will receive a "Heads Up" call from DCD and notification from Tooele County on a Community Emergency event. After hours notification of CEM is through Public Safety Dispatch who then notifies the Emergency Response Officer (ERO).

Tooele County Emergency Management notifies CEM of a Community Emergency event in a timely basis on the Utah Hotline or (801) 538-3400 as a backup.

- B. Once CEM has received the "Heads Up" call from DCD and/or notification from Tooele County, CEM will notify its staff and other State agencies on a timely basis per Section A in the Emergency Response Officers Book.

- 1. The staff at CEM will be notified using the Automated Telephone Notification System. If the event is during working hours, Monday thru Friday, 8:00 a.m. to 5:00 p.m., staff that is out of the office may be recalled to the State Emergency Command Center (ECC).
 - a. If the automated call-down system is non-functional, the Emergency Response Officer will implement the Staff Call Down List in the ERO Book.

- b. Because of the minimal amount of time for decisions to be made, cellular telephones and pagers are issued for key CEM personnel and decision-makers to ensure that immediate contact and communications can be implemented.
- 2. The State Emergency Response Team (SERT) members with responsibilities in a chemical event will also be notified using the Automated Telephone Notification System or individually by the ERO using the lists in Section M of the ERO Book.
- 3. State agencies, including the Utah Department of Health and the UHP, may receive notification from agencies such as the Tooele County Health Department and Sheriff's Office and CEM. If the Department of Health contact person cannot be reached then the Department of Public Safety UHP Dispatch will notify the nine (9) hospitals and Poison Control Center.

VI. PUBLIC ALERT AND NOTIFICATION

- A. Public alert and notification will incorporate all residents in the IRZ (Immediate Response Zone), the PAZ (Protective Action Zone) and the buffer zone located within the PAZ. This will affect residents in Tooele and Utah counties. Alert and notification is organized into different levels of response. Refer to the Tooele and Utah County Emergency Operations Plans for a complete detailed analysis of the public alert and notification process.

VII. RESPONSIBILITIES

- A. Under the State EOP, CEM is responsible for the overall coordination, as well as, direction and control of the state-wide emergency warning program and for ensuring that timely dissemination of warnings is made to local, State and Federal government officials.
- B. Under the Tooele County EOP, Tooele County Emergency Management staff backed-up by the Tooele County Sheriff's Department is responsible to coordinate all warning and notification functions for Tooele County.
- C. It is understood that as the catalyst in the alert and notification system, DCD is responsible to notify Tooele County, Utah County and the State of Utah CEM on a timely basis for any reportable event under its DCD-CAIRAP.